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(71) Applicant:

EXECODE CO., LTD.

FIRST CORPORATION CO., LTD.

(72) Inventor:

JUNG, UI GWON

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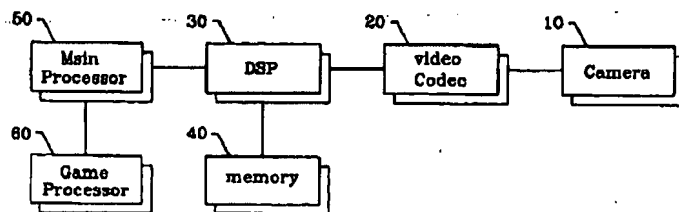
(54) Title of Invention

MOTION CAPTURE SYSTEM AND METHOD USING IMAGES

Representative drawing

(57) Abstract:

PURPOSE: A motion capture system and a method using images are provided to extract motion information of an object from information learned by analyzing the motion of the object using images to apply the motion to a virtual character.



CONSTITUTION: A motion capture system using images includes an image capturing means(10) for capturing an image of an object, a digital signal converter(20) for converting the captured image into a digital signal, and a digital signal processor(30) for processing the digital signal to analyze the image so as to recognize a corresponding object from information learned in advance and calculating coordinates of each of parts of the recognized object. The system further has a main

controller(50) for extracting motion information of the object from the input image, — 26
controlling a series of processes for applying the motion information to a
corresponding character, and outputting coordinate information of the recognized
object, a character control processor(60) for determining the motion of the
character, and a memory(40) for storing the learned information with respect to the
object and calculation information used for calculating motion tracking coordinates — 31
from the input image.

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